Attention!

This is a representative syllabus.

The syllabus for the course you are enrolled in will likely be different.

Please refer to your instructor's syllabus for more information on specific requirements for a given semester.

Linguistics 2051
Analyzing the Sounds of Language
M, W, F 3:00-3:55pm, Derby Hall 0029

Instructor: XXX Email: XXX
Office: Ohio Stadium East (between Gates 22 and 24)
Office Phone: XXX
Office Hours: XXX
Course website: www.carmen.osu.edu

Additional questions, comments and concerns can be addressed to:
TA Coordinator: Dr. Hope Dawson Email: dawson.165@osu.edu
Office: 109C, Ohio Stadium East Office Phone: (614) 292-5420

Required textbook
Analyzing the Sounds of Languages. Beckman, Foltz, & Smith (2012) (unpublished manuscript available on Carmen only).

Course overview
This course provides an introduction to the quantitative analytical methods that are used in phonetics, the study of the sounds of human speech. We will discuss a number of phonetic properties of language sounds. Additionally, we will learn about and apply statistical tools that are used in phonetics, sampling some of the diverse research methods that scientists have developed to investigate how speech is produced and perceived by humans.

GE information
This course is a GE course in Data Analysis. The expected learning outcomes of this GE are that students understand basic concepts of statistics and probability, comprehend methods needed to analyze and critically evaluate statistical arguments, and recognize the importance of statistical ideas. The in-class exercises, in-class quizzes and lab assignments required in this course will give you practice working with statistical analyses to achieve these learning outcomes.

Course components

In-class exercises	30%	$12 \times 2.5\%$
In-class quizzes	15%	$5 \times 3\%$
Lab assignments	42%	$7 \times 6\%$
Final exam	8%	Friday, Apr 29, 4:00-5:45pm
LOC (talks and experiments)	5%	$2 \times 2.5\%$

- **In-class exercises**

Many class meetings will include in-class exercises to give you hands-on practice with data analysis. You are expected to participate actively in all in-class exercises. In-class exercises **cannot** be made up during office hours or any other time.

- **In-class quizzes**

Brief closed-book quizzes will be given frequently to check that you fully understand the linguistic and numerical concepts that we build upon during the semester. In-class quizzes **cannot** be made up during office hours or any other time.

- **Lab assignments**

Lab assignments will be given throughout the semester to assess your skill in the data analysis techniques we have learned. You may work in groups to complete the labs, but each student must turn in a separate lab assignment, and each student must respond to the lab assignment questions in his or her own words. Identical responses will be treated as cases of suspected academic misconduct. Assignments are due at the **beginning** of class on the date they are listed on the schedule. Late assignments will **not** be accepted.

- **Final exam**

A cumulative, closed-book final exam will be given on Friday, Apr 29, 4:00-5:45pm. Its location has not yet been assigned, though it is likely to be in our normal classroom. You should be preparing for the exam by revisiting the textbook and the previous in-class exercises and quizzes, and lab assignments.

- **Linguistics Outside the Classroom (LOC)**

During the semester, you must earn 2 credits in Linguistics Outside the Classroom (LOC) activities. To earn each credit, you must either attend an LOC talk or complete an LOC experiment, and then complete a short questionnaire to demonstrate your participation. You may attend two talks, complete two experiments, or attend one talk and complete one experiment to earn your 2 credits.

Grading scale

A 100-93	A- 92.99-90	
B+ 89.99-87	B 86.99-83	B- 82.99-80
C+ 79.99-77	C 76.99-73	C- 72.99-70
D+ 69.99-67	D 66.99-60	E 59.99 and below

General policies

- **Computers**

The lab assignments will require access to a computer outside of class. In addition, many class meetings will include a hands-on tutorial, and many of the tutorials will require use of the computer. For this reason, our classroom is a computer classroom. To reduce distractions during class time, please use the computers only for class-related activities.

- **Submission of written work**

Lab assignments may be submitted in hard copy or electronically via the Carmen dropbox. Do not email your homework**. Electronic submissions of lab assignments must be in PDF format. Submissions in any other format (including Microsoft Word) will not be accepted.** All pages of hard copy submissions must be stapled together. **No** late assignments will be accepted. Carmen allows you to turn things in from off campus. If for some reason you cannot attend class, I expect you to put your assignment in the Carmen dropbox.

- **Working in groups**

As stated above, you are encouraged to discuss course content and course assignments with other students in the class. However, each student must turn in a separate assignment, and each student must respond to questions in his or her own words. Identical responses will be treated as cases of suspected academic misconduct.

- **Missed classes**

If you have to miss a class, it is your responsibility to find reliable notes from a classmate, and make sure you obtain any relevant materials from Carmen. I will not repeat missed lectures during office hours or at any other time.

- **Academic misconduct**

The Ohio State University takes academic misconduct very seriously. As with any class at this university, students are expected to follow University's Code of Student Conduct. While you are encouraged to discuss assignments with one another (unless explicitly stated otherwise), the final write-up must be done individually. Using somebody else's work without acknowledging that you are doing so, copying another student's work, cheating during an examination — these are all examples of academic misconduct. I am required by the university to report any suspected case of academic misconduct to the Committee on Academic Misconduct. Should you have any questions about this issue or are unsure as to whether a certain action constitutes a violation of this code, please consult me.

Students with Disabilities

Students who need an accommodation based on the impact of a disability should contact the instructor to arrange an appointment as soon as possible to discuss the course format, to anticipate needs, and to explore potential accommodations. The instructor relies on the Office of Disability Services for assistance in verifying the need for accommodations and developing accommodation strategies. Students who have not previously contacted the Office for Disability Services are encouraged to do so (614-292-3307; www.ods.ohio-state.edu).

Disclaimer

This syllabus, particularly the schedule, is subject to change. You will receive advance notification of any major changes. Any updates will be posted on Carmen.

Schedule

Week	Date	Topics	Readings	Other
Week 1	1/11 (M)	Introduction		
	1/13 (W)	Categorical variables	Ch 0, Ch 1	
	1/15 (F)			
Week 2	1/18 (M)	NO CLASS—MARTIN LUTHER KING JR. DAY		
	1/20 (W)			
	1/22 (F)	Discrete numerical variables	Ch 2	
Week 3	1/25 (M)			
	1/27 (W)	Continuous variables	Ch 3	Quiz 1
	1/29 (F)			
Week 4	2/1 (M)			
	2/3 (W)			Lab1
	2/5 (F)			
Week 5	2/8 (M)	Central tendency	Ch 8	Quiz 2
	2/10 (W)			
	2/12 (F)			
Week 6	2/15 (M)	Measures of dispersion	Ch 9	Lab 2
	2/17 (W)			
	2/19 (F)			
Week 7	2/22 (M)			
	2/24 (W)			Quiz3
	2/26 (F)			
Week 8	2/29 (M)	Scatterplots	Ch 10	Lab3
	3/2 (W)	Regression & Correlation	Ch 11	
	3/4 (F)			1st LOC
Week 9	3/7 (M)			
	3/9 (W)			
	3/11 (F)			Quiz 4

SPRING BREAK: MON. 3/14–FRI. 3/18				
Week 10	3/21 (M)			
	3/23 (W)	Probability theory	Ch 4	Lab 4
	3/25 (F)		Ch 5	
Week 11	3/28 (M)			
	3/30 (W)			
	4/1 (F)			
Week 12	4/4 (M)	Binomial distribution	Ch 6	Lab 5
	4/6 (W)			
	4/8 (F)	Hypothesis testing		
Week 13	4/11 (M)			
	4/13 (W)			
	4/15 (F)	T-tests	Ch 13	Lab 6
Week 14	4/18 (M)			
	4/20 (W)			Quiz 5
	4/22 (F)			
Week 15	4/25 (M)	Review		Lab 7, 2nd LOC
Finals: Friday, Apr 29, 4:00-5:45pm				